

EFFICIENTLY TRANSMITTING RTP PROTOCOL IN A NETWORK  
THAT GUARANTEES IN ORDER DELIVERY OF PACKETS

ABSTRACT OF THE DISCLOSURE

A method and computer program product for providing RTP suppression across a DOCSIS network. An index number and a set of rules are sent to a receiver. The index number indicates the type of header suppression technique (*i.e.*, RTP header suppression) to be performed, and the set of rules define how to recreate the RTP packets on the receiving end. At least one complete RTP packet is transmitted upstream for enabling a receiver to learn the RTP header. Subsequent RTP packets are transmitted upstream for reconstruction at the receiving end. The subsequent RTP packets are comprised of delta values representing fields that dynamically change from packet to packet in an RTP header.

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